

Amendments to the Claims

1 Claim 1 (currently amended): A method of improving navigation of content in a user interface  
2 that has been rendered in a content aggregation framework, comprising steps of:  
3 detecting, on a navigable element of an input document encoded in a markup language, an  
4 indication that a navigation stop should occur at this element in a determined navigation order  
5 when the element is subsequently rendered;  
6 programmatically determining, responsive to detecting the indication, the navigation  
7 order in which the navigation stop at the element should occur; and  
8 programmatically modifying the navigable element from the input document to specify  
9 the programmatically determined navigation order.

1 Claim 2 (original): The method according to Claim 1, wherein the detecting, programmatically  
2 determining, and programmatically modifying steps operate on indications of more than one  
3 navigable element in the input document.

1 Claim 3 (currently amended): The method according to Claim 2, further comprising the step of  
2 rendering an output document which results from the programmatically modifying step, wherein  
3 the programmatically-modified element rendered in the rendered output document is navigable in  
4 its [[the]] programmatically determined navigation order.

1 Claim 4 (original): The method according to Claim 2, further comprising the step of aggregating  
2 a plurality of input documents encoded in the markup language, thereby creating an aggregated

Serial No. 10/055,472

-5-

RSW920010172US1

document, wherein more than one of the input documents specifies navigation stops on navigable elements, and wherein the programmatically determining and programmatically modifying steps are performed for each of the input documents during the aggregating step.

Claim 5 (currently amended): The method according to Claim 4, further comprising the step of rendering the aggregated document, wherein the programmatically-modified elements rendered in the rendered aggregated document [[in]] are navigable in [[the]] their programmatically determined navigation order.

Claim 6 (original): The method according to Claim 1, wherein the markup language is HTML ("Hypertext Markup Language").

Claim 7 (original): The method according to Claim 4, wherein the markup language is XML ("Extensible Markup Language").

Claim 8 (original): The method according to Claim 1, wherein the input document is a JavaServer Page specification.

Claim 9 (original): The method according to Claim 8, wherein the programmatically modifying step modifies a document created by programmatically evaluating the JavaServer Page specification.

Serial No. 10/055,472

-6-

RSW920010172US1

1 Claim 10 (currently amended): The method according to Claim 1, wherein the input document is  
2 a markup stream created by a portlet specification.

1 Claim 11 (currently amended): The method according to Claim 10, wherein the  
2 programmatically modifying step modifies a ~~document created by programmatically evaluating~~  
3 ~~the portlet specification~~ the markup stream.

1 Claim 12 (original): The method according to Claim 1, wherein the programmatically modifying  
2 step further comprises evaluating the input document according to a style sheet.

1 Claim 13 (original): The method according to Claim 12, wherein the style sheet is encoded in  
2 XSL ("Extensible Stylesheet Language").

1 Claim 14 (currently amended): The method according to Claim 1, wherein the indication  
2 comprises a reference to executable code and supplies an identification of a user interface region  
3 into which the navigable element is to be rendered.

1 Claim 15 (currently amended): The method according to Claim 14, wherein the indication  
2 further comprises an offset value within the user interface region.

1 Claim 16 (original): The method according to Claim 1, wherein the indication is specified as a  
2 value of a TABINDEX attribute.

Serial No. 10/055,472

-7-

RSW920010172US1

1 Claim 17 (currently amended): The method according to Claim 16, wherein the indication  
2 comprises a reference to executable code and supplies an identification of a user interface region  
3 into which the navigable element is to be rendered, and wherein the programmatically modifying  
4 step replaces the reference and region identification with a numeric value that specifies the  
5 programmatically determined navigation order.

1 Claim 18 (currently amended): The method according to Claim 16, wherein the indication  
2 comprises a reference to executable code and supplies an identification of a user interface region  
3 into which the navigable element is to be rendered as well as an offset within the user interface  
4 region, and wherein the programmatically modifying step replaces the reference, region  
5 identification, and offset with a numeric value that specifies the programmatically determined  
6 navigation order.

1 Claim 19 (currently amended): A method of dynamically specifying a visitation order for  
2 navigable elements in a user interface that has been rendered in a content aggregation framework,  
3 comprising steps of:

4 aggregating a plurality of input documents encoded in a markup language, wherein more  
5 than one of the input documents specifies navigation stops on navigable elements;

6 detecting, on selected ones of one or more navigable elements of the input documents  
7 during the aggregation, an indication that a navigation stop should occur at the respective  
8 element in a determined navigation order when the selected ones are subsequently rendered;

Serial No. 10/055,472

-8-

RSW920010172US1

9           programmatically determining, responsive to detecting the indication on each selected  
10 one, the navigation order in which the navigation stop at the respective element should occur;  
11           programmatically modifying the navigable element on each selected one to specify [[the]]  
12 its programmatically determined navigation order; and  
13           rendering an output document which results from the programmatically modifying step,  
14 wherein the selected ones of the elements of the rendered output document [[is]] are navigable in  
15 [[the]] their programmatically determined navigation order.

1       Claim 20 (currently amended): A system for improving navigation of content in a user interface  
2       that has been rendered in a content aggregation framework, comprising:

3           means for detecting, on a navigable element of an input document encoded in a markup  
4       language, an indication that a navigation stop should occur at this element in a determined  
5       navigation order when the element is subsequently rendered;

6           means for programmatically determining, responsive to detecting the indication, the  
7       navigation order in which the navigation stop at the element should occur; and

8           means for programmatically modifying the navigable element from the input document to  
9       specify the programmatically determined navigation order.

1       Claim 21 (currently amended): A computer program product for improving navigation of  
2       content in a user interface that has been rendered in a content aggregation framework, the  
3       computer program product embodied on one or more computer-usable media and comprising:  
4           computer-readable program code means for detecting, on a navigable element of an input

document encoded in a markup language, an indication that a navigation stop should occur at this element in a determined navigation order when the element is subsequently rendered;

computer-readable program code means for programmatically determining, responsive to detecting the indication, the navigation order in which the navigation stop at the element should occur, and

computer-readable program code means for programmatically modifying the navigable element from the input document to specify the programmatically determined navigation order.

Claim 22 (new): The system according to Claim 20, further comprising means for aggregating a plurality of input documents encoded in the markup language, thereby creating an aggregated document, wherein more than one of the input documents specifies navigation stops on navigable elements, and wherein the means for programmatically determining and the means for programmatically modifying are performed for each of the input documents during operation of the means for aggregating.

Claim 23 (new): The system according to Claim 22, further comprising means for rendering the aggregated document, wherein the programmatically-modified elements rendered in the rendered aggregated document are navigable in their programmatically determined navigation order.

Claim 24 (new): The computer program product according to Claim 21, further comprising computer-readable program code means for aggregating a plurality of input documents encoded in the markup language, thereby creating an aggregated document, wherein more than one of the

Serial No. 10/055,472

-10-

RSW920010172US1

4 input documents specifies navigation stops on navigable elements, and wherein the computer-  
5 readable program code means for programmatically determining and the computer-readable  
6 program code means for programmatically modifying are performed for each of the input  
7 documents during operation of the computer-readable program code means for aggregating.

1 Claim 25 (new): The computer program product according to Claim 24, further comprising  
2 computer-readable program code means for rendering the aggregated document, wherein the  
3 programmatically-modified elements rendered in the rendered aggregated document are  
4 navigable in their programmatically determined navigation order.

Serial No. 10/055,472

-11-

RSW920010172US1